



# 2001 Toxics Release Inventory

## CALIFORNIA

### Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	53,082,041
Air Emissions	20,020,008
Surface Water Discharges	4,924,819
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	55,902
On-site Land Releases to RCRA Subtitle C Landfills	23,436,456
Other On-site Land Releases	4,644,856
Off-site Releases (Transfers Off-site to Disposal)*	5,467,403
<b>Total On- and Off-site Releases</b>	<b>58,549,443</b>
Recycled On-site	58,257,511
Recycled Off-site	74,760,095
Energy Recovery On-site	35,102,596
Energy Recovery Off-site	22,947,133
Treated On-site	100,816,156
Treated Off-site**	27,460,378
Quantity Released On- and Off-site***	64,185,642
<b>Total Production-related Waste Managed</b>	<b>383,529,510</b>
<b>Non-production-related Waste Managed</b>	<b>580,159</b>
<b>Transfers Off-site for Further Waste Management, including Disposal</b>	
Recycling	72,771,483
Energy Recovery	25,168,116
Treatment	4,920,741
Publicly Owned Treatment Works (POTWs)	24,222,248
Metals and Metal Category Compounds*	64,755
Non-metal TRI Chemicals**	24,157,493
Other Off-site Transfers****	124,776
Transfers Off-site to Disposal (not including metals to POTWs)	7,764,935
<b>Total Transfers Off-site for Further Waste Management, including Disposal</b>	<b>134,972,300</b>

- \* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.
- \*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.
- \*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.
- \*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

#### State Contact

**EPA Regional Contact**  
Nancy Sockabasin  
USEPA Region 9 (CMD-4-2)  
75 Hawthorne Street  
San Francisco, CA 94105  
(415) 972-3772  
sockabasin.nancy@epa.gov

**To obtain TRI data use assistance, call TRI User Support Service (TRI-US):**  
(202) 566-0250  
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of California. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

#### State/TRI Data

Population	34,600,463
Square Miles	155,973
Total Facilities	1,612
Total Forms	5,020
Form As	600

	Total
<b>National Rank for Total On- and Off-site Releases*</b>	
Rank	27
Pounds	58,549,443
<b>National Rank for Total On-site Releases**</b>	
Rank	26
Pounds	53,082,041
<b>National Rank for Total Releases within State***</b>	
Rank	26
Pounds	58,077,847
<b>National Rank for Production-related Waste Managed</b>	
Rank	23
Pounds	383,529,510

- \* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.
- \*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.
- \*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 2001 Toxics Release Inventory

# CALIFORNIA

## On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7664-41-7	Ammonia	6,362,240	37,470	41,236	264,004	18,728	6,723,678	0	4,761	13,967
7439-92-1	Lead	21,031	404	0	5,895,784	224,077	6,141,296	19,802	96,591	206,577
—	Nitrate compounds	2,373	3,677,680	250	1,824,970	501,577	6,006,850	0	97,673	403,904
1344-28-1	Aluminum oxide (fibrous forms)	0	0	0	3,547,968	0	3,547,968	0	0	0
1332-21-4	Asbestos (friable)	1	0	0	3,084,120	1,640	3,085,761	0	16,600	0

## On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7439-92-1	Lead	21,031.29	403.53	0.00	5,895,783.90	224,077.47	6,141,296.18	19,801.52	96,590.85	206,577.48
—	Lead compounds	14,447.39	523.95	8.40	563,401.70	161,587.93	739,969.36	5,288.44	392,735.83	101,312.97
7439-97-6	Mercury	1,064.96	1.10	0.00	15,416.82	33,288.83	49,771.70	119.00	68.06	33,240.83
—	Mercury compounds	4,602.98	9.00	0.61	33,587.90	4,148.26	42,348.75	1.50	3,335.88	2,568.82
—	Polycyclic aromatic compounds	1,507.27	350.04	0.00	31,906.55	140.69	33,904.55	16.00	342.08	1.01
1336-36-3	Polychlorinated biphenyls (PCBs)	0.11	0.00	0.00	16,356.00	25.02	16,381.12	0.00	362.02	25.00
79-94-7	Tetrabromobisphenol A	5.00	0.00	0.00	0.00	7,790.00	7,795.00	0.00	7,790.00	0.00
191-24-2	Benzo(g,h,i)perylene	12.59	10.90	0.00	2,561.43	4.12	2,589.04	1.50	24.12	0.30
57-74-9	Chlordane	0.00	0.00	0.00	2,005.70	0.00	2,005.70	0.00	0.00	0.00
1582-09-8	Trifluralin	182.00	0.00	0.00	1,004.00	321.00	1,507.00	0.00	998.00	0.00
8001-35-2	Toxaphene	0.00	0.00	0.00	597.00	0.00	597.00	0.00	0.00	0.00
118-74-1	Hexachlorobenzene	2.73	0.03	0.00	457.00	0.78	460.53	0.00	0.78	0.00
40487-42-1	Pendimethalin	134.00	0.00	0.00	0.00	129.00	263.00	0.00	129.00	0.00
76-44-8	Heptachlor	0.00	0.00	0.00	60.00	0.00	60.00	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.05	0.00	0.00	0.00	0.42	0.48	0.00	0.36	0.06
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	22.234	0.850	0.000	2.097	190.526	215.708	0.000	162.562	28.164
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\*\* No reports were submitted for these chemicals.

\*\* The chemical ranking is based on the amounts in this column.



# 2001 Toxics Release Inventory

# CALIFORNIA

## On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Chemical Waste Management Inc., Kettleman City, Kings	10,308	0	0	0	20,163,244	14,692	20,188,244	94	790
Safety-Kleen (Buttonwillow) Inc., Buttonwillow, Kern	1,031	33	0	0	2,713,104	245,735	2,959,903	0	0
Chevron. Prods. Co. Div. of Chevron USA Inc., El Segundo, Los Angeles	390,181	1,506,628	0	0	0	35	1,896,844	6,998	1,020
McLaughlin Mine, Lower Lake, Lake	24,007	0	0	0	0	1,334,035	1,358,042	0	0
Samoa Pacific Cellulose L.L.C., Samoa, Humboldt	184,520	1,136,770	0	0	0	0	1,321,290	0	0
Valero Refining Co. California Benicia Refy., Benicia, Solano	656,112	606,984	0	0	0	0	1,263,096	49,635	26,919
Chevron Prods. Co. Richmond Refy., Richmond, Contra Costa	613,902	568,917	0	0	0	0	1,182,819	165,991	126,860
Tesoro Refining & Marketing Co., Martinez, Contra Costa	1,133,129	48,491	0	0	0	0	1,181,620	7,520	4,687
Tosco Refining Co. Los Angeles Refy. Wilmington Plant, Wilmington, Los Angeles	1,084,498	0	0	0	0	0	1,084,498	928	4,202
BP West Coast Prods. L.L.C. Carson, Carson, Los Angeles	760,592	533	0	0	0	3,222	764,347	36,359	42,911

## On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Chemical Waste Management Inc., Kettleman City, Kings	100.00	0.00	0.00	0.00	5,854,032.90	444.00	5,854,576.90	25.00	184.00
McLaughlin Mine, Lower Lake, Lake	5.03	0.00	0.00	0.00	0.00	159,395.00	159,400.03	0.00	0.00
U.S. Marine Corps MCB Camp Pendleton Ranges, Camp Pendleton, San Diego	480.00	0.00	0.00	0.00	0.00	134,766.00	135,246.00	0.00	0.00
U.S. Marine Corps Natural Resources & Enviro. Affairs, 29 Palms, San Bernardino	3,457.00	0.00	0.00	0.00	0.00	83,129.00	86,586.00	0.00	0.00
Safety-Kleen (Buttonwillow) Inc., Buttonwillow, Kern	4.00	12.00	0.00	0.00	45,887.00	19,360.00	65,263.00	0.00	0.00
Dixon Hard Chrome Inc., Sun Valley, Los Angeles	0.00	0.00	0.00	0.00	52,500.00	0.00	52,500.00	0.00	1.06
TXI Riverside Cement Oro Grande Plant, Oro Grande, San Bernardino	741.10	0.00	0.00	0.00	0.00	44,157.00	44,898.10	0.00	0.00
Viceroy Gold Corp. Castle Mountain Mine, Ivanpah, San Bernardino	35.50	0.00	0.00	0.00	0.00	31,248.00	31,283.50	0.00	0.00
Safety-Kleen (Westmorland) Inc., Westmorland, Imperial	9.90	0.00	0.00	0.00	29,866.20	0.00	29,876.10	517.50	0.00
Molycorp Inc. Mountain Pass Mine, Mountain Pass, San Bernardino	73.00	0.00	0.00	0.00	0.00	27,288.00	27,361.00	0.00	1,277.00

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 2001 Toxics Release Inventory

# CALIFORNIA

## Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Chemical Waste Management Inc., Kettleman City, Kings	0	7,840	0	1,668	2,234	50,164	20,184,331	20,246,237	10
Safety-Kleen (Buttonwillow) Inc., Buttonwillow, Kern	0	0	0	0	0	0	2,957,724	2,957,724	0
Chevron. Prods. Co. Div. of Chevron USA Inc., El Segundo, Los Angeles	0	18,292	0	0	1,873,038	34,680	1,904,597	3,830,607	990
Hilmar Cheese Co. Inc., Hilmar, Merced	0	0	0	0	549,900	0	1,901,700	2,451,600	0
Chevron Prods. Co. Richmond Refy., Richmond, Contra Costa	0	3,727	0	0	813,001	0	1,818,016	2,634,744	0
DK Environmental Inc., Vernon, Los Angeles	0	187,711	0	0	459,625	8,675	1,409,309	2,065,320	0
McLaughlin Mine, Lower Lake, Lake	0	0	0	0	530,000	0	1,357,396	1,887,396	0
Samoa Pacific Cellulose L.L.C., Samoa, Humboldt	0	0	2,135,330	0	166,600	0	1,335,795	3,637,725	0
Valero Refining Co. California Benicia Refy., Benicia, Solano	100	40,283	20,700,001	1,839	275,000	92,537	1,260,744	22,370,504	0
Tesoro Refining & Marketing Co., Martinez, Contra Costa	0	10,527	0	0	3,035,500	549	1,193,827	4,240,403	0

## Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Chemical Waste Management Inc., Kettleman City, Kings	0.00	2,211.00	0.00	0.00	0.00	20,568.00	5,854,133.00	5,876,912.00	1.00
Quemetco Inc., City of Industry, Los Angeles	0.00	0.00	0.00	0.00	0.00	0.00	270,000.00	270,000.00	0.00
McLaughlin Mine, Lower Lake, Lake	0.00	0.00	0.00	0.00	0.00	0.00	159,396.00	159,396.00	0.00
Exide Techs., Vernon, Los Angeles	10,862,880.00	141,120.00	0.00	0.00	0.00	0.00	152,196.00	11,156,196.00	0.00
U.S. Marine Corps MCB Camp Pendleton Ranges, Camp Pendleton, San Diego	0.00	0.00	0.00	0.00	0.00	0.00	135,246.00	135,246.00	0.00
Safety-Kleen (Buttonwillow) Inc., Buttonwillow, Kern	0.00	0.00	0.00	0.00	0.00	0.00	65,251.00	65,251.00	0.00
TXI Riverside Cement Oro Grande Plant, Oro Grande, San Bernardino	0.00	0.00	0.00	0.00	0.00	0.00	44,898.00	44,898.00	0.00
Romic Environmental Techs. Corp., East Palo Alto, San Mateo	0.00	55,233.00	0.00	0.00	0.00	0.00	43,621.00	98,854.00	0.00
Trojan Battery Co., Santa Fe Springs, Los Angeles	0.00	637,000.00	0.00	0.00	0.00	0.00	41,500.00	678,500.00	0.00
U.S. Filter Recovery Services (CA) Inc., Vernon, Los Angeles	0.00	0.00	0.00	0.00	0.00	0.00	39,549.00	39,549.00	0.00

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.